

Listing of Claims:

1 Claim 1 (currently amended): An information providing  
2 apparatus for acquiring contents data representing a high  
3 quality still image from a service providing apparatus capable  
4 of storing the contents data and of transmitting the contents  
5 data in response to a request from a remote user terminal, and  
6 for providing the contents data in a direct format or in a  
7 converted format to the remote user terminal, said information  
8 providing comprising:

9 reproducing means for reproducing the contents data;  
10 picture data relaying means for relaying still picture  
11 data obtained from the contents data reproduced by  
12 the reproducing means;  
13 moving picture coding means for producing compressed  
14 moving picture data having a high image quality from  
15 the still picture data obtained from said picture  
16 data relaying means, said producing being performed  
17 by way of a stepwise image quality complementary  
18 type coding system for complementing an image  
19 quality in a stepwise manner, and for transmitting  
20 the compressed moving picture data to the user  
21 terminal to display a still display picture; and  
22 control means for determining an area of the still  
23 picture data coded into the compressed moving  
24 picture data in response to a user selection of a  
25 portion of the still display picture manipulation  
26 made from the remote user terminal, and for  
27 notifying the ~~determined~~ selected area to the moving  
28 picture coding means.

1 Claim 2 (previously presented): An information  
2 providing apparatus as claimed in claim 1, wherein

3        said control means is capable of producing a control  
4        signal used to change the reproducing state of the  
5        reproducing means by receiving a manipulation of the  
6        user terminal, and is capable of transmitting the  
7        control signal to the reproducing means; and wherein  
8        the moving picture coding means produces compressed  
9        moving picture data from said still picture data,  
10       the content of which is sequentially changed by  
11       changing a setting condition of a coding process  
12       operation.

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16 data to [[a]] the remotely located user terminal for  
17 displaying a still display image; and  
18 control means for determining an area of still picture  
19 data coded into the compressed moving picture data  
20 in response to a user selection of a portion of the  
21 still display image manipulation made from the  
22 remote user terminal, and for notifying the  
23 ~~determined~~ selected area to the moving picture  
24 coding means.

1 Claim 5 (previously presented): An information providing  
2 apparatus as claimed in claim 4, wherein  
3 said control means is also for producing a control signal  
4 used to change the reproducing state of the  
5 reproducing means by receiving a manipulation of the  
6 user terminal, and is further for transmitting the  
7 control signal to the reproducing means; and wherein  
8 the moving picture coding means produces compressed  
9 moving picture data from the still picture data, the  
10 content of which is sequentially changed by changing  
11 a setting condition of coding process operation.

1 Claim 6 (currently amended): An information providing  
2 apparatus as claimed in claim 4, wherein the moving picture  
3 coding means also produces audio data having a designated data  
4 format from audio data contained in the contents data, and  
5 also produces multiplexed AV data by multiplexing the  
6 compressed moving picture data with the audio data, and also  
7 transmits the multiplexed AV data to the user terminal.

1 Claim 7 (currently amended): An information providing  
2 system for acquiring content data from a service providing  
3 system and for providing a communication service to a remotely  
4 located mobile terminal, wherein the content data represents a

5 high quality still image, said information providing system  
6 comprising:

7 moving picture coding means for producing compressed  
8 moving picture data from the content data using a  
9 stepwise image quality complementary coding system;  
10 and

11 transmitting means for transmitting the compressed moving  
12 picture data to [[a]] the mobile terminal, wherein  
13 the mobile terminal displays a still display image  
14 representing the high quality still image from the  
15 compressed moving picture data, such that image  
16 processing of the content data is primarily  
17 conducted by the information providing system to  
18 thereby reduce a processing load and/or a memory  
19 requirement on the mobile terminal.

1 Claim 8 (previously presented): The system of claim 7,  
2 wherein the mobile terminal displays the display image in  
3 progressively more detail over some period of time.

1 Claim 9 (previously presented): The system of claim 7,  
2 wherein the mobile terminal is a mobile terminal capable of  
3 displaying compressed moving picture images.

4 Claim 10 (previously presented): The system of claim 9,  
5 wherein the mobile terminal is a PDA or a portable telephone.

1 Claim 11 (previously presented): The system of claim 7,  
2 wherein the mobile terminal is a PDA or a portable telephone.

1 Claim 12 (previously presented): The system of claim 7,  
2 further comprising control means for determining an area of a  
3 portion of the display image, wherein the portion is chosen by  
4 a user manipulation at the mobile terminal, and wherein the

5 control means provides the determined area to the moving  
6 picture coding means.

1 Claim 13 (currently amended): An information providing  
2 system for acquiring content data from a service providing  
3 system and for providing a communication service to a remotely  
4 located mobile terminal, wherein the content data represents a  
5 high quality still image, said information providing system  
6 comprising:

7 moving picture coding means for producing compressed  
8 moving picture data from the content data using a  
9 stepwise image quality complementary coding system;  
10 and

11 transmitting means for transmitting the compressed moving  
12 picture data to [[a]] the mobile terminal capable of  
13 displaying compressed moving picture data, such that  
14 image processing is conducted at the information  
15 providing system to thereby reduce a processing load  
16 and/or a memory requirement on the mobile terminal,  
17 and wherein

18 the mobile terminal displays a still display image  
19 representing the high quality still image from the  
20 compressed moving picture data.

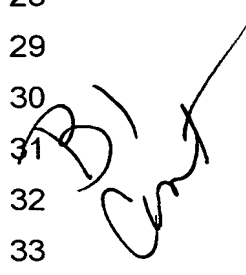
1 Claim 14 (previously presented): The system of claim 13,  
2 wherein the mobile terminal is a PDA or a portable telephone.

1 Claim 15 (previously presented): The system of claim 13,  
2 wherein the mobile terminal displays the still display image  
3 in progressively more detail over some period of time.

1           Claim 16 (new): The system of claim 13, further including  
2   control means for determining an area of a portion of the  
3   display image, wherein the portion is chosen by a user  
4   manipulation at the mobile terminal, and wherein the control  
5   means provides the determined area to the moving picture  
6   coding means, which then produces new compressed moving  
7   picture data from the content data using the stepwise image  
8   quality complementary coding system, wherein the new  
9   compressed moving picture data corresponds to the chosen  
10   portion of the display image for displaying the chosen portion  
11   on the mobile device in a larger fashion.

1           Claim 17 (new): A system comprising:  
2   a mobile terminal capable of displaying compressed moving  
3   picture data;  
4   a service providing system for providing content data  
5   representing a high quality still image as a  
6   service; and  
7   an information providing system for acquiring the content  
8   data from the service providing system and for  
9   providing a communication service to the mobile  
10   terminal, said information providing system  
11   including:  
12   moving picture coding means for producing compressed  
13   moving picture data from the content data for  
14   providing compressed moving picture data to the  
15   mobile terminal,  
16   transmitting means for transmitting the compressed  
17   moving picture data to the mobile terminal,  
18   wherein the mobile terminal displays a still  
19   display image representing the high quality  
20   still image from the compressed moving picture  
21   data,

22 control means for determining an area of the still  
23 picture data coded into the compressed moving  
24 picture data in response to a user selection of  
25 a portion of the still display image from the  
26 user terminal, and for notifying the selected  
27 area to the moving picture coding means,  
28 wherein  
29 the moving picture coding means then produces new  
30 compressed moving picture data from the content  
31 data corresponding to the user selected portion  
32 of the display image for displaying the  
33 selected portion on the mobile terminal in a  
34 larger fashion as a zoomed still image; wherein  
35 the information providing system operates such that a  
36 primary portion of image processing of the content  
37 data is conducted at the information providing  
38 system to thereby reduce a processing load and/or a  
39 memory requirement on the mobile terminal.

A handwritten signature, possibly reading 'B. J. Cant', is written over lines 30 through 33 of the text.